

Amendments to the Claims:

This listing of claims replaces all prior listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A method for ~~validating~~ determining a location of an access point locations in a wireless network, the method comprising:

performing a scan by a ~~validating~~ first access point in the wireless network to detect and locate at least one ~~a second wireless~~ access point in the wireless network;

the first access point receiving location data from the second access point, the location data indicating a physical location of the second access point; and

the first access point utilizing the location data indicating the physical location of at least one detected the second access point in the validating access point to direct self-correction of current location data of to self-determine a current physical location of the validating first access point.

2. (Currently Amended) The method of claim 1 wherein performing a scan further comprises detecting a beacon signal from at least one the second access point.

3. (Currently Amended) The method of claim 2, further comprising reading wherein the location data indicating the physical location data of the second access point is obtained from the detected beacon signal.

4. (Currently Amended) The method of claim 1, wherein ~~when there is one detected access point, the method further comprises~~ the first access point self-determines the current physical location of the first access point including:

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determining a distance of the second access point from the first access point; and  
comparing the current a previously determined physical location data of the first access  
point with a calculated location of the first access point based on the determined distance and the  
physical location data of the one-detected second access point.

5. (Currently Amended) The method of claim 4, wherein:

when the current previously determined physical location of the first access point data  
compares favorably is substantially the same as the calculated location of the first access point,  
the current previously determined physical location data of the first access point is retained by  
the first access point as the current physical location of the first access point; and

when the current previously determined physical location of the first access point data  
compares unfavorably varies from the calculated location of the first access point, the method  
further comprises determining if the location data indicating the physical location of the second  
access point is valid and updating the current physical location data of the first access point with  
the calculated location of the first access point if the location data indicating the physical  
location of the second access point is valid.

6. (Currently Amended) The method of claim 5, wherein determining if the location data  
indicating the physical location of the second access point is valid further comprises checking a  
date of last update of the location data indicating the physical location of the second access point.

7. (Currently Amended) The method of claim 1, wherein when the first access point detects  
there is more than one detected access point a plurality of access points in the wireless network,  
the method further comprises the first access point eliminating discarding a distance value

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associated with a detected access point having invalid data corresponding to an invalid value, the discarded distance value not being used by the first access point to determine the current physical location of the first access point, the distance value corresponding to a determined distance between the first access point and the detected access point.

8. (Currently Amended) The method of claim 7, wherein ~~when more than one detected access point remains~~ the first access point detects a plurality of access points in the wireless network having valid distance values, the method further comprises utilizing triangulation techniques with the ~~location data of the remaining~~ valid distance values associated with the plurality of detected access points to calculate a current position physical location of the first access point.

9. (Currently Amended) The method of claim 8, wherein:  
when the ~~current~~ calculated location data of the first access point substantially matches the current position a previously determined physical location of the first access point, the previously determined physical location of the first access point ~~current location data~~ is retained as the current physical location of the first access point, and

when the ~~current~~ calculated location data of the first access point does not substantially match the current position previously determined physical location of the first access point, the current previously determined physical location data of the first access point is updated to with the current position calculated location of the first access point.

10. (Currently Amended) A system for ~~validating~~ determining a location of an access point ~~locations~~ in a wireless network, the system comprising:

a wireless network; ~~the wireless network~~ including a ~~validating~~ first access point for performing a ~~operable to perform~~ a scan to detect another ~~a~~ second access point in the wireless network; and

the first access point operable to receive location data from the second access point, the location data indicating a physical location of the second access point,

wherein the ~~validating~~ first access point is operable to utilize the location data indicating the physical location of the ~~detected~~ second access point to ~~directs self-correction of~~ self-determine a current physical location data of the ~~validating~~ first access point.

11. (Currently Amended) The system of claim 10, wherein the ~~validating~~ first access point performs a scan to detect a beacon signal from another ~~the~~ second access point.

12. (Currently Amended) The system of claim 11, wherein the ~~validating access point~~ further reads location data indicating the physical location data of the second access point is obtained from the detected beacon signal.

13. (Currently Amended) The system of claim 10, wherein ~~when there is one detected access point, the validating~~ first access point self-determines the current physical location of the first access point including:

determining a distance of the second access point from the first access point; and

comparing ~~compares the current~~ a previously determined physical location data of the first access point with a calculated location of the first access point based on the determined distance and the physical location data of the one-detected second access point.

14. (Currently Amended) The system of claim 13, wherein:

when the current previously determined physical location of the first access point data compares favorably is substantially the same as the calculated location of the first access point, the current previously determined physical location data of the first access point is retained by the validating first access point as the current physical location of the first access point; and

when the current previously determined physical location of the first access point data compares unfavorably varies from the calculated location of the first access point, the validating first access point determines if the location data indicating the physical location of the second access point is valid and updates the current physical location data of the first access point with the calculated location of the first access point if the location data indicating the physical location of the second access point is valid.

15. (Currently Amended) The system of claim 14, wherein the first access point is operable to determine determining if the location data indicating the physical location of the second access point is valid further comprises including checking a date of last update of the location data indicating the physical location of the second access point.

16. (Currently Amended) The system of claim 10, wherein when there is more than one detected access point the first access point detects a plurality of access points in the wireless network, the validating first access point further eliminates is operable to discard a distance value associated with a detected access point having invalid data corresponding to an invalid value, the discarded distance value not being used by the first access point to determine the current physical location of the first access point, the distance value corresponding to a determined distance between the first access point and the detected access point.

17. (Currently Amended) The system of claim 16, wherein when ~~more than one detected access point remains~~ the first access point detects a plurality of access points in the network having valid distance values, the ~~validating first access point further~~ utilizes triangulation techniques with the ~~physical location data of the remaining detected~~ valid distance values associated with the plurality of access points to calculate a ~~current position~~ physical location of the first access point.

18. (Currently Amended) The system of claim 17, wherein:  
when the ~~current~~ calculated location data of the first access point substantially matches the ~~current position~~ a previously determined physical location of the first access point, the previously determined physical location of the first access point ~~current location data~~ is retained by the validating first access point as the current physical location of the first access point, and  
when the ~~current~~ calculated location data of the first access point does not substantially match the ~~current position~~ previously determined physical location of the first access point, the ~~current~~ previously determined physical location data of the first access point is updated ~~to~~ with the ~~current position~~ calculated location of the first access point.

19. (Currently Amended) A computer readable medium containing program instructions tangibly stored thereon for validating determining a location of an access point locations in a wireless network, the computer readable medium containing program instructions comprising for:

performing a scan by scanning in a validating a first access point in the wireless network to detect and locate for another a second access point in the wireless network;

the first access point receiving location data from the second access point, the location data indicating a physical location of the second access point; and

the first access point utilizing the location data indicating the physical location of the second access point in the validating access point of one or more detected access points to direct self-correction of to self-determine a current physical location data of the validating first access point.

20. (Currently Amended) The computer readable medium of claim 19, ~~further comprising~~ wherein the instructions for performing a scan include instructions for reading the physical location data of the second access point from a detected beacon of the second access point and determining a signal strength from a of the detected beacon signal of each detected access point.

21. (Currently Amended) The computer readable medium of claim 20, further comprising instructions for determining a distance of each detected the second access point based on the signal strength of the detected beacon signal and the physical location data indicating the physical location of the second access point.

22. (Currently Amended) The computer readable medium of claim 19, wherein ~~when there is one detected access point,~~ the program instructions for the first access point utilizing the location data indicating the physical location of the second access point to self-determine a current physical location of the first access point further comprise instructions for comparing the current a previously determined physical location data of the first access point with a calculated location of the first access point based on the determined distance and the physical location data of the one detected second access point.

23. (Currently Amended) The computer readable medium of claim 22, wherein:

when the ~~current~~ previously determined physical location of the first access point data compares favorably is substantially the same as the calculated location of the first access point, the ~~current~~ previously determined physical location data of the first access point is retained by the first access point as the current physical location of the first access point; and

when the ~~current~~ previously determined physical location of the first access point data compares unfavorably varies from the calculated location of the first access point, the program instructions further comprise instructions for determining if the location data indicating the physical location of the second access point is valid and updating the current physical location data of the first access point with the calculated location of the first access point if the location data indicating the physical location of the second access point is valid.

24. (Currently Amended) The computer readable medium of claim 23, wherein the instructions for determining if the location data indicating the physical location of the second access point is valid further comprises comprise instructions for checking a date of last update of the location data indicating the physical location of the second access point.

25. (Currently Amended) The computer readable medium of claim 19, wherein when the first access point detects there is more than one detected access point a plurality of access points in the wireless network, the computer readable medium further comprises program instructions further comprise eliminating a detected for the first access point to discard a distance value associated with a detected access point having invalid data corresponding to an invalid value, the discarded distance value not being used by the first access point to determine the current physical



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location of the first access point, the distance value corresponding to a determined distance between the first access point and the detected access point.

26. (Currently Amended) The computer readable medium of claim 25, wherein when more than one detected access point remains the first access point detects a plurality of access points in the wireless network having valid distance values, the computer readable medium further comprises program instructions for further-comprise utilizing triangulation techniques with the location data of the remaining valid distance values associated with the plurality of detected access points to calculate a current position physical location of the first access point.

27. (Currently Amended) The computer readable medium of claim 26, wherein:  
when the current calculated location data of the first access point substantially matches the current-position a previously determined physical location of the first access point, the previously determined physical location of the first access point current location data is retained as the current physical location of the first access point; and

when the current calculated location data of the first access point does not substantially match the current-position previously determined physical location of the first access point, the current previously determined physical location data of the first access point is updated to with the current-position calculated location of the first access point.

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